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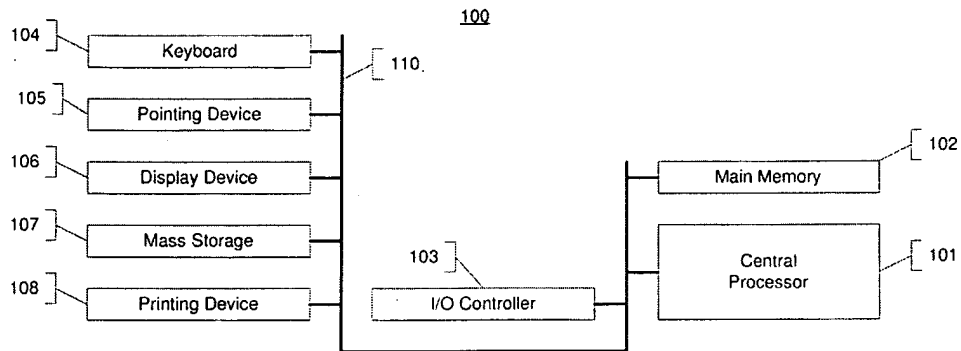


FIG. 1A

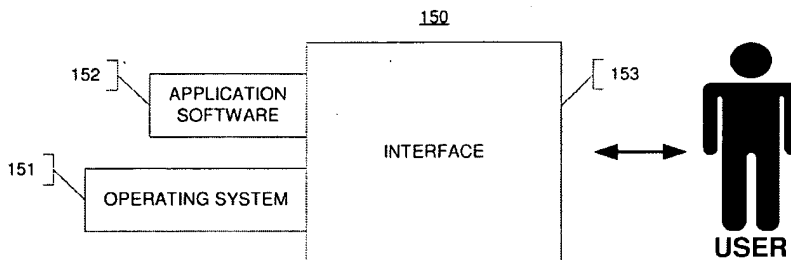


FIG. 1B

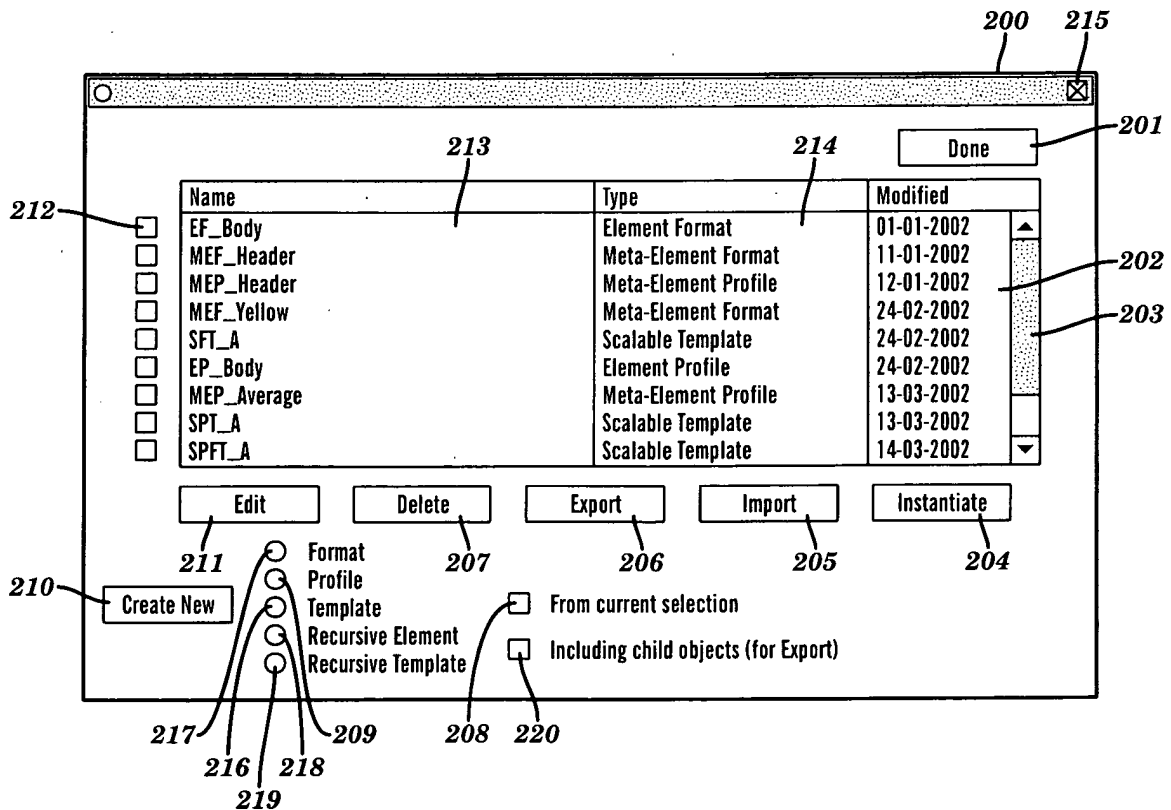


FIG. 2



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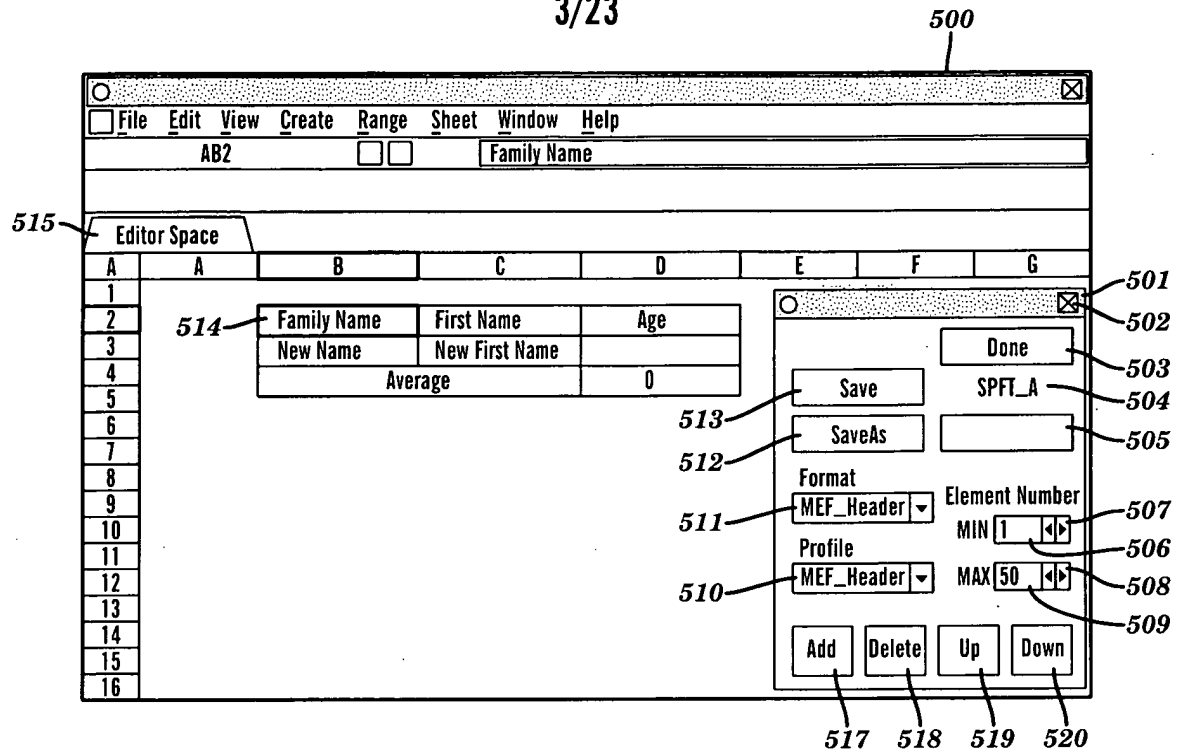


FIG. 5

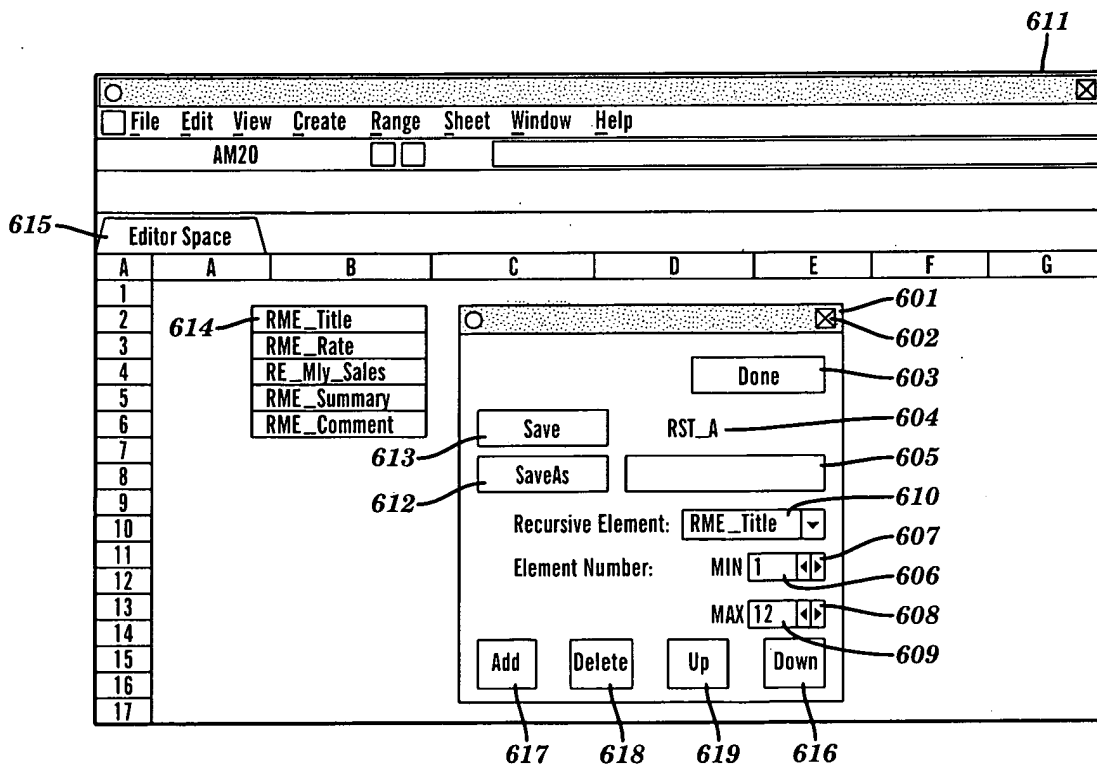


FIG. 6

FIG. 7A

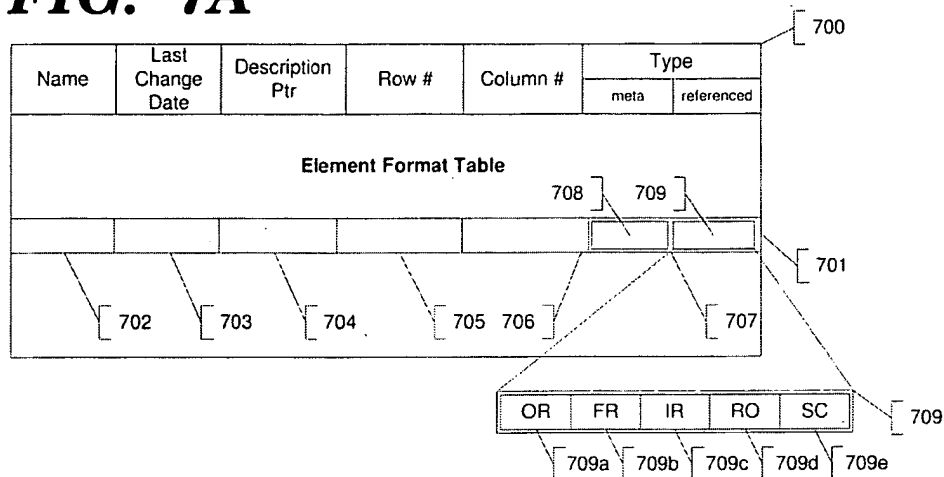


FIG. 7B

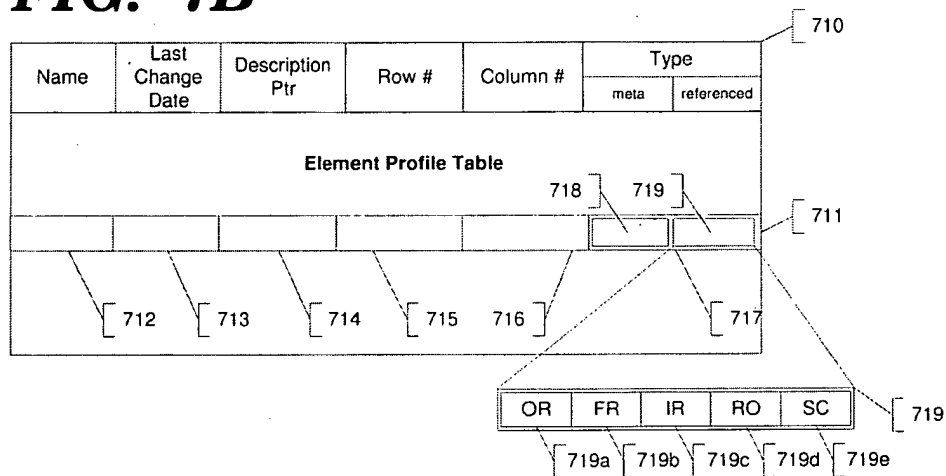
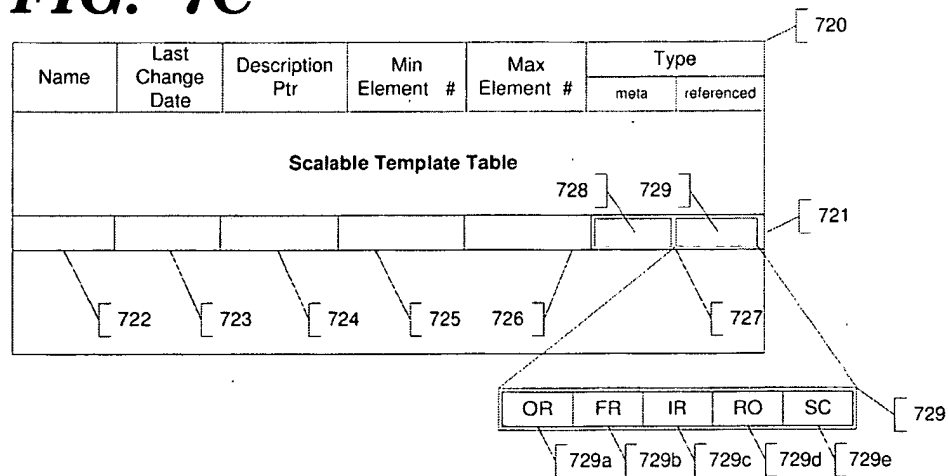
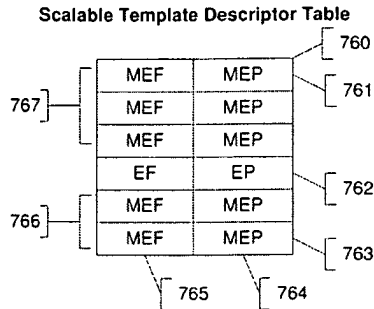
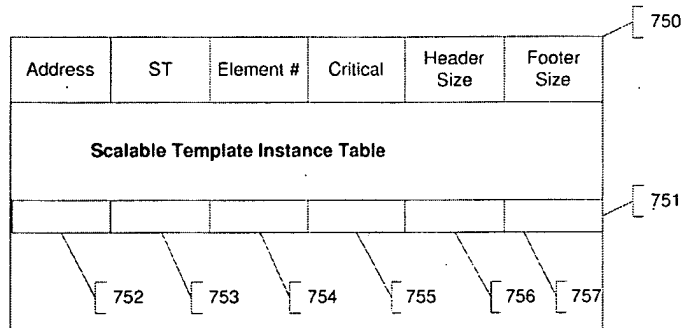
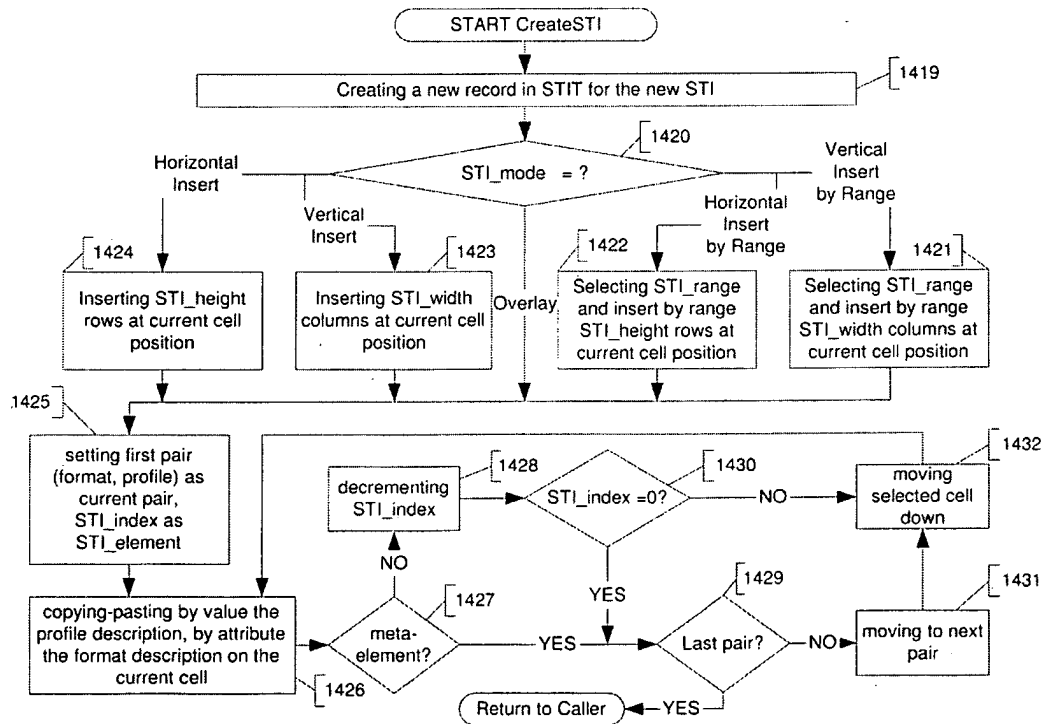
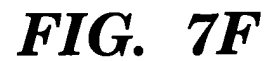


FIG. 7C



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**FIG. 7D****FIG. 7E****FIG. 14B**



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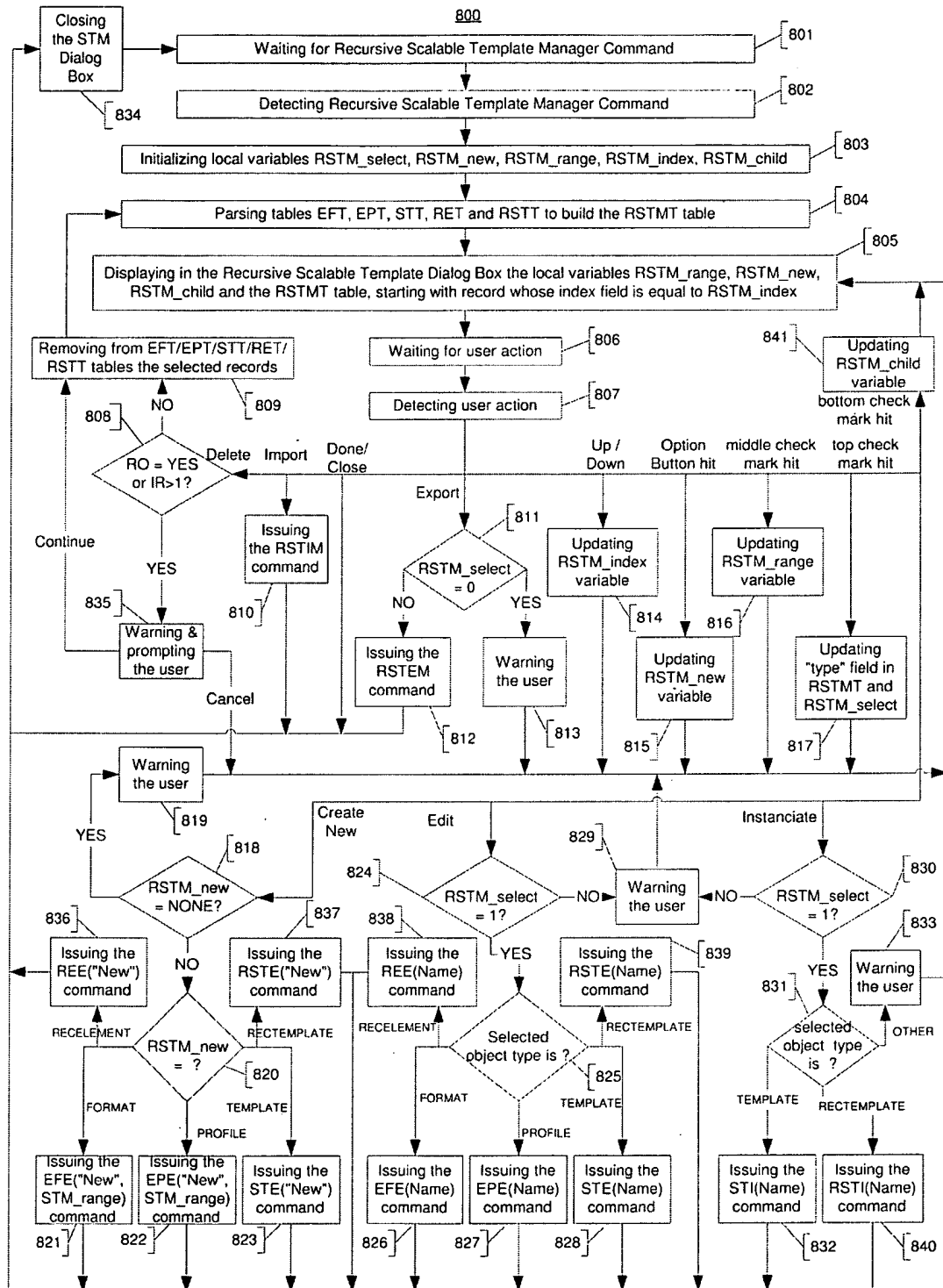


FIG. 8

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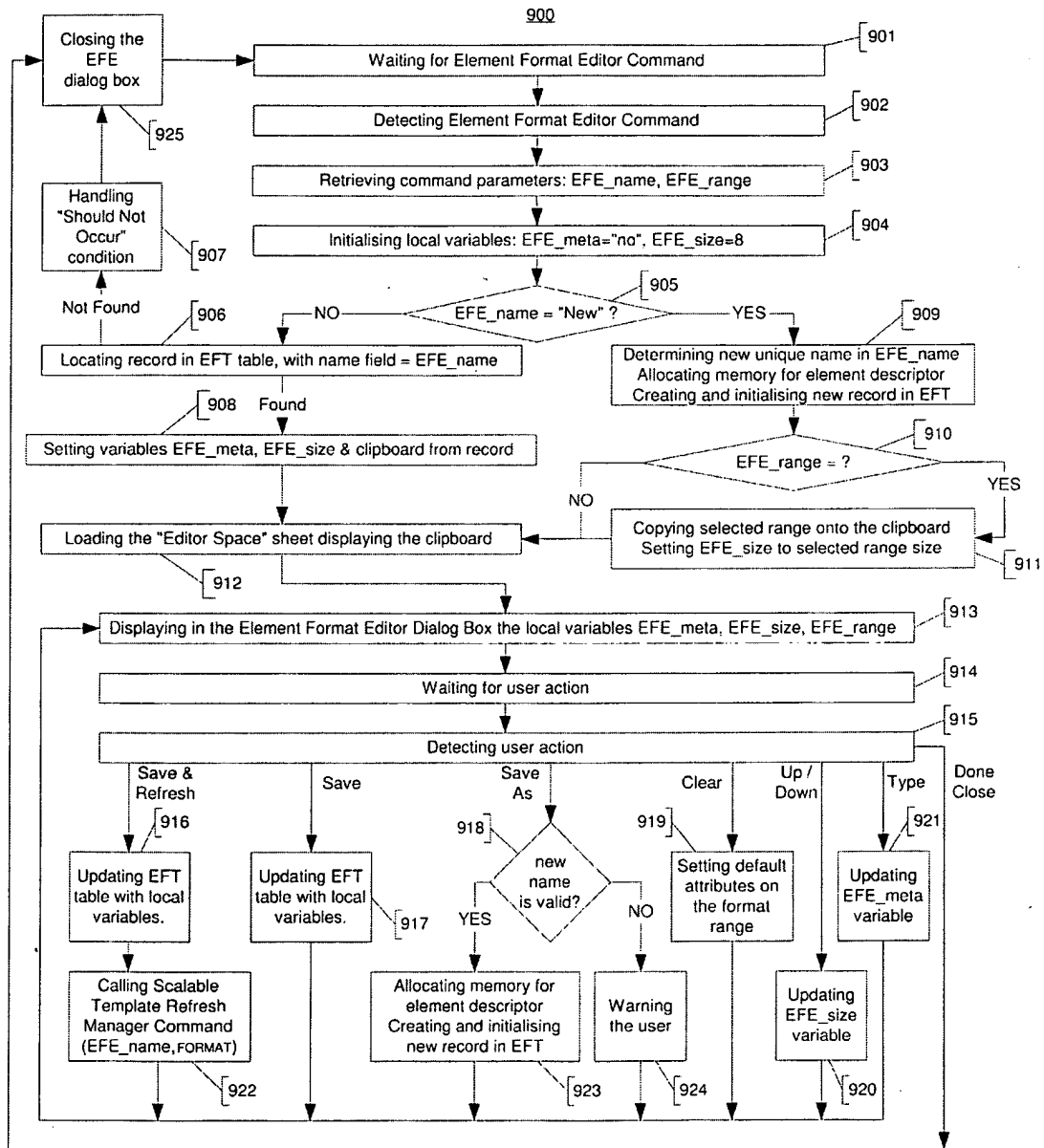


FIG. 9

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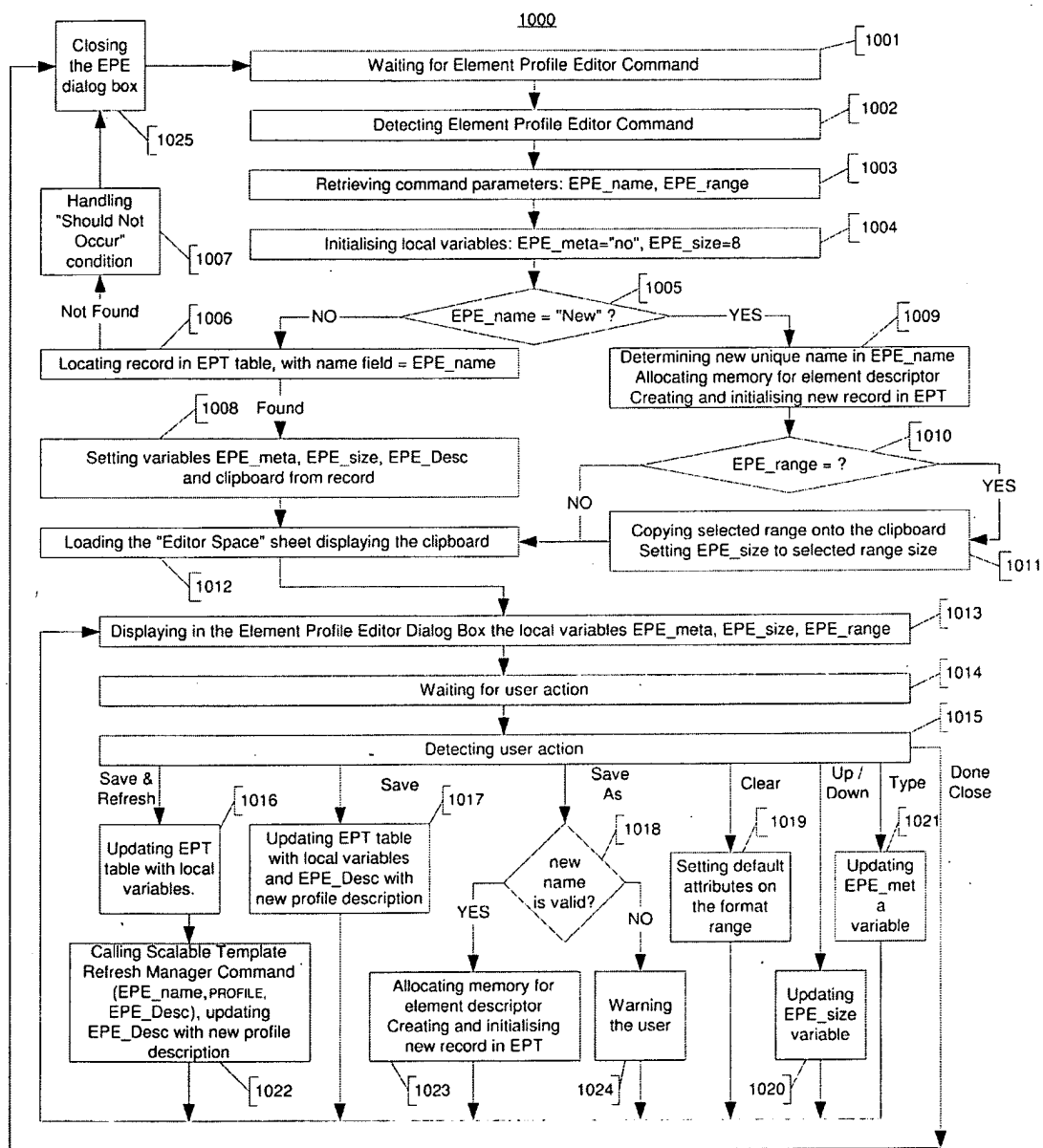


FIG. 10

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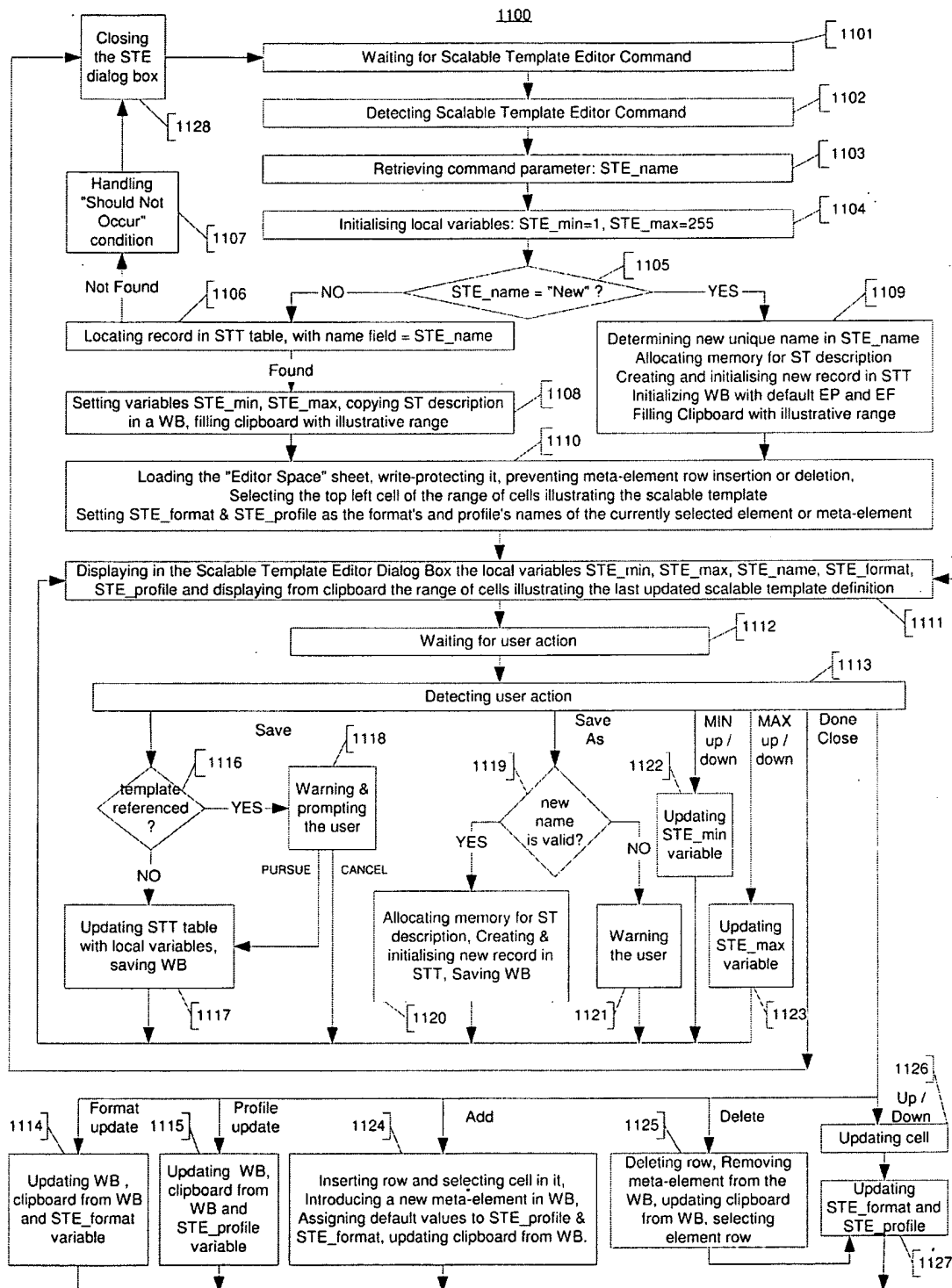


FIG. 11

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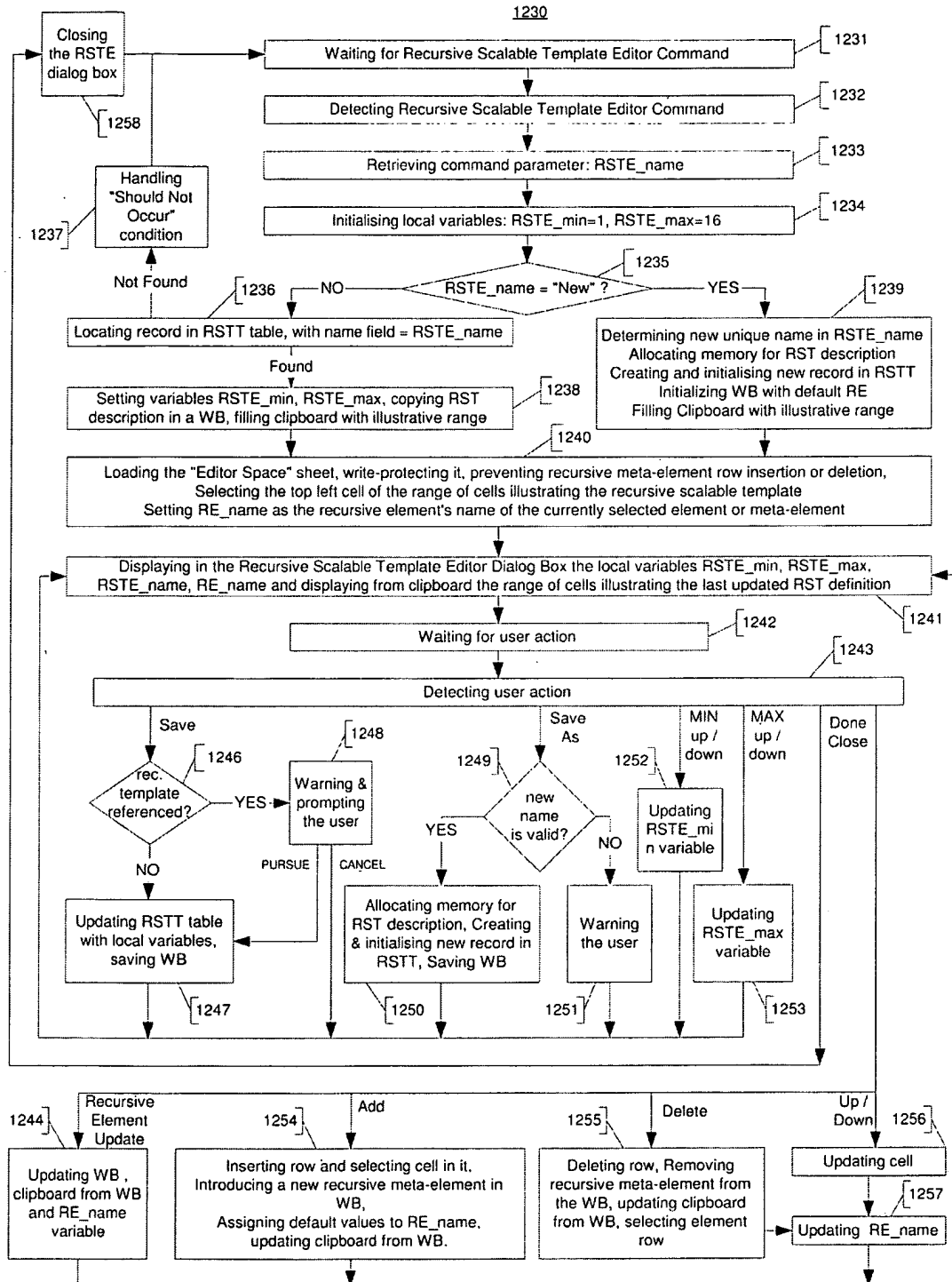


FIG. 12

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1312 1313 1315

1300 1301 1302 1303

New Instance: Element # Template_Name Critical ☒ Create Cancel

1311 1314

New Instance too wide NO Critical Instance Lost Other Instance Lost Data Lost

1310 New Instance too high NO

1309 Overlay YES YES YES

1308 Horizontal Insert NO NO YES

1307 Horizontal Insert by Range NO NO YES

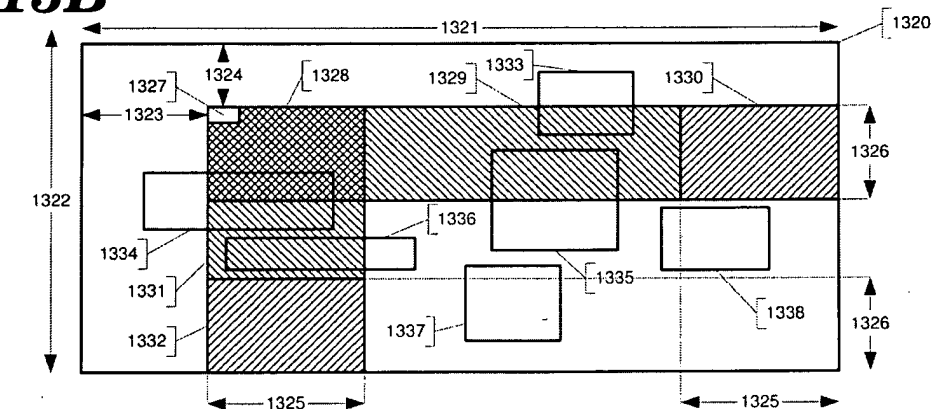
1306 Vertical Insert YES YES YES

1305 Vertical Insert by Range YES YES YES

1304

FIG. 13A

FIG. 13B

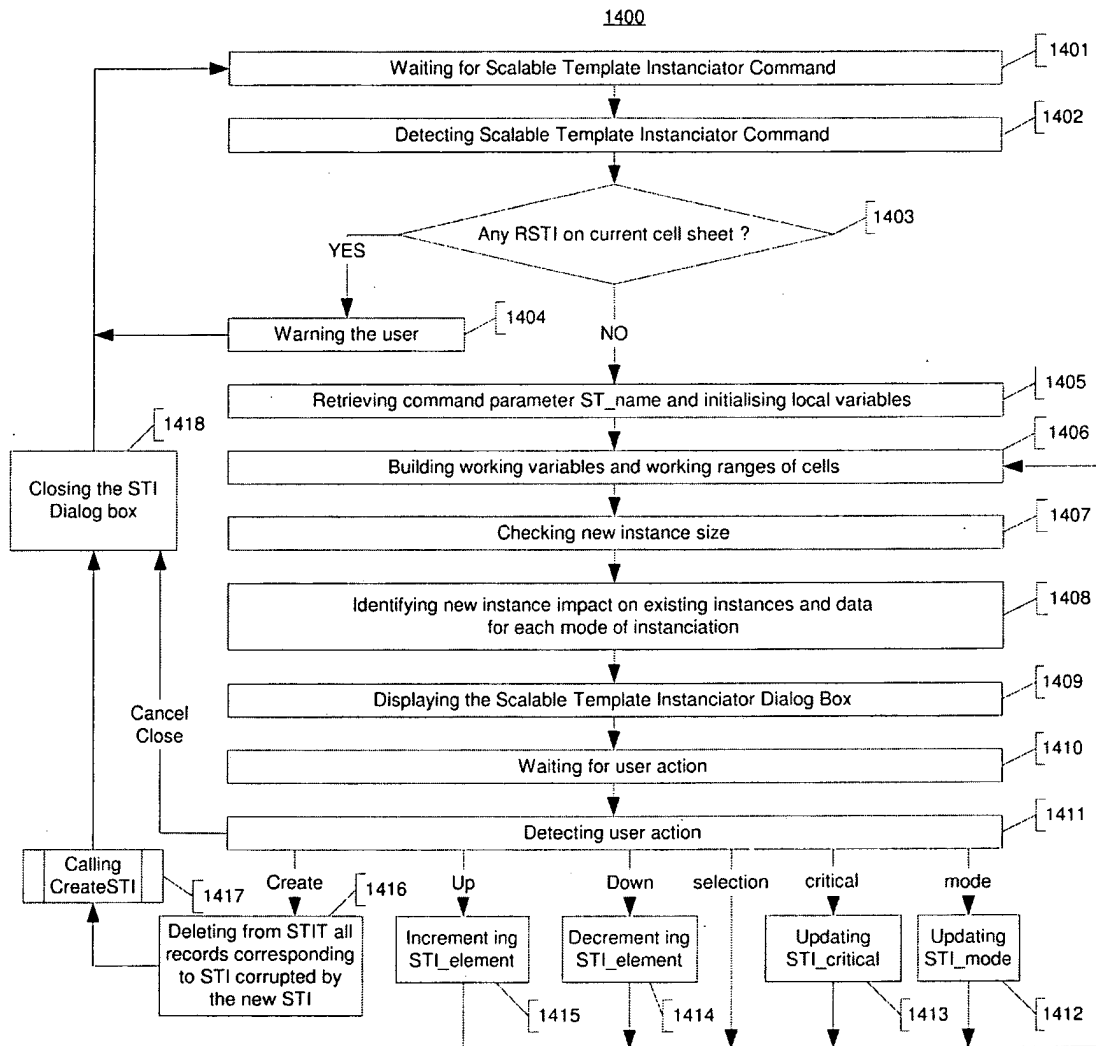


Recursive Scalable Template Instance Descriptor Table

2275		2276	2277	2278	2279	2280	2281	2282	2270
		STI_col	STI_row	ST_name					
		Container_col	Container_row						
		Container_range	STIT_rec_ptr						
	2274	//	//	//	//				
2273									2272

FIG. 19F

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**FIG. 14A**

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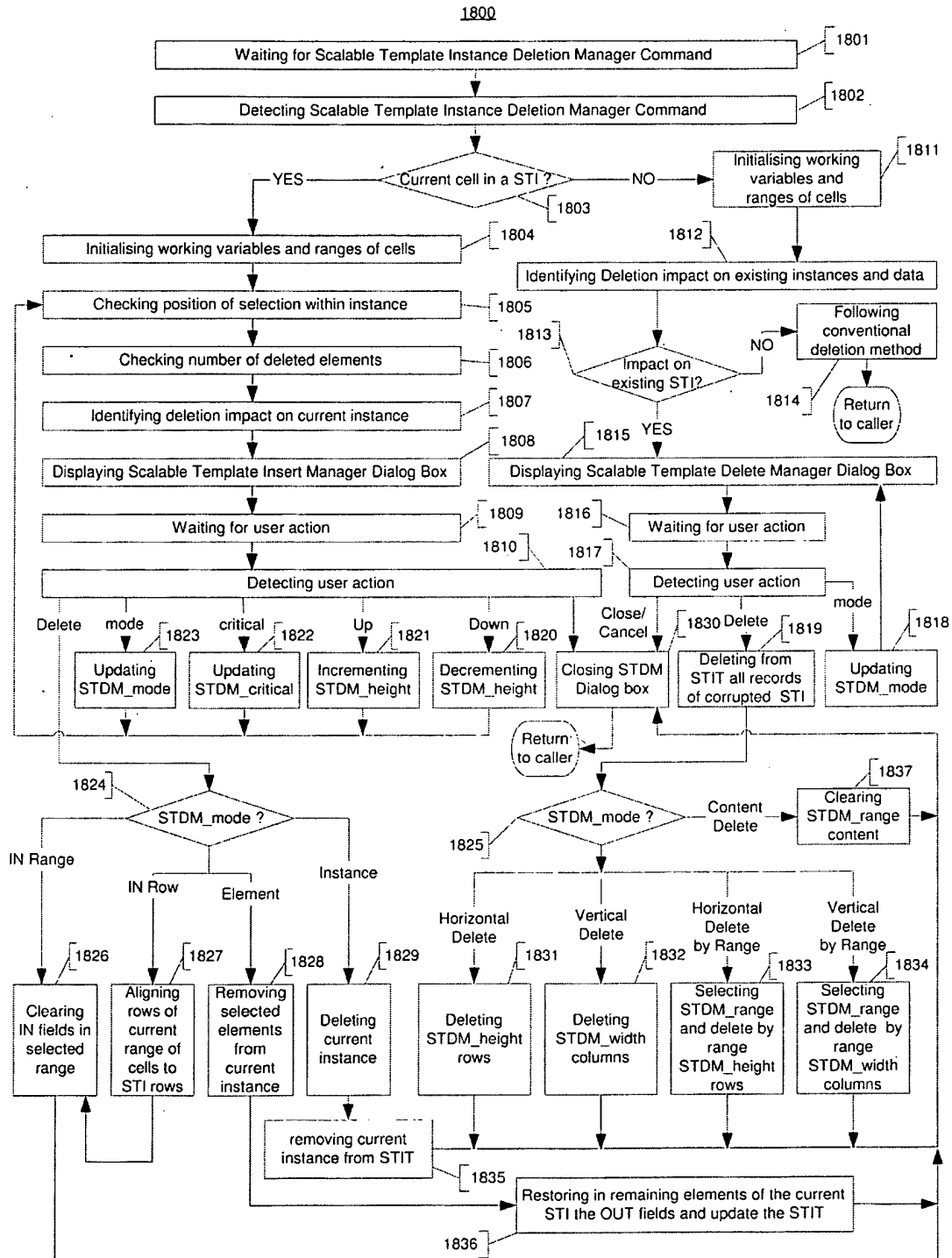


FIG. 15A

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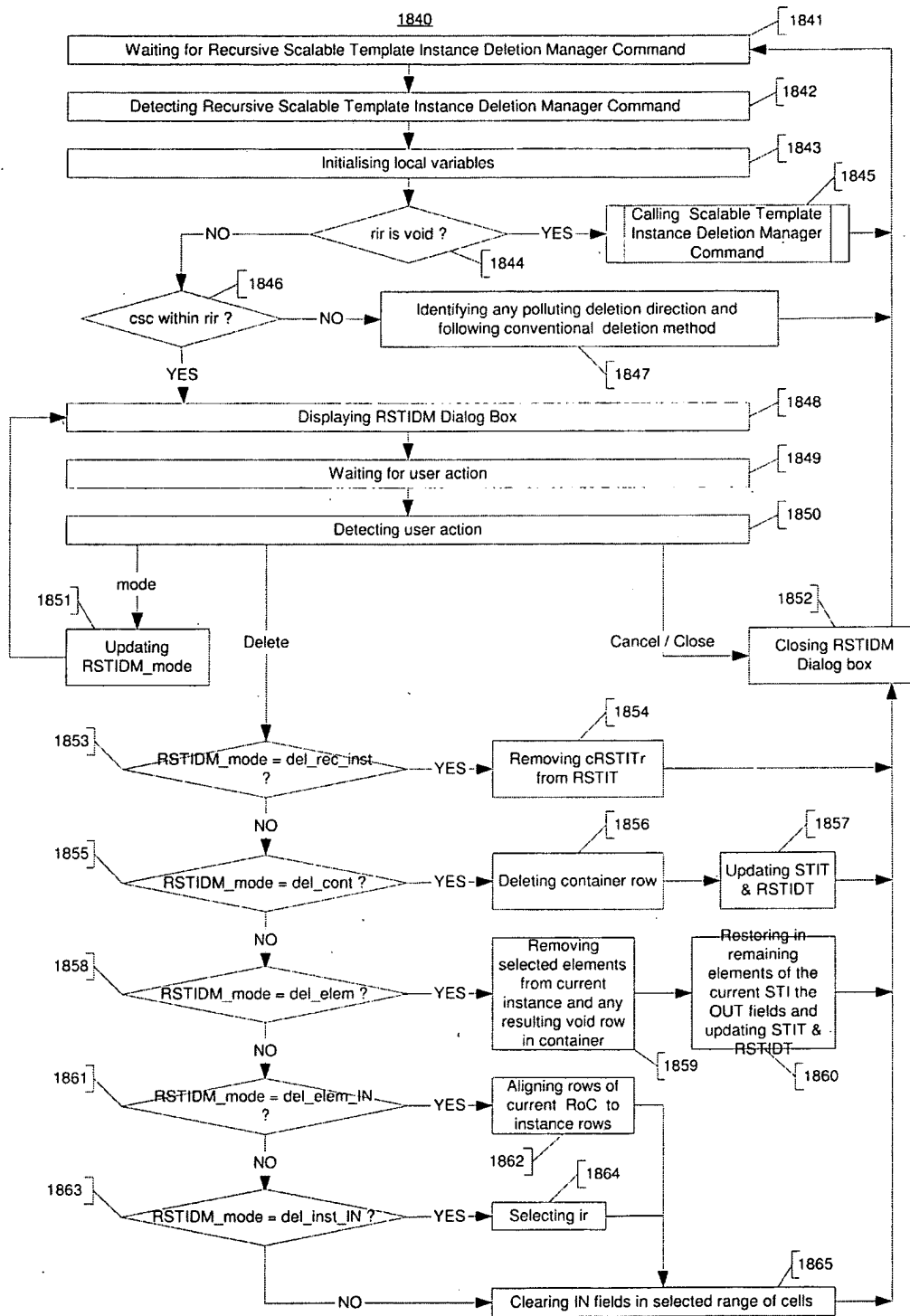


FIG. 15B

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FIG. 16A

1908 1909 1911

1900 1901

Current Instance: DeletedElement # 8 Template_Name Critical ☒ 1910

Delete Cancel 1902

Selection too big Selection outside body 1903

1905 Delete IN fields in selected range

1906 Delete IN fields in selected rows

1912 Delete selected elements NO 1907 NO 1904

1913 Delete selected instance

FIG. 16B

1929

1920 1921

Current Instance: None

Delete Cancel 1922

Critical Instance Lost Other Instance Lost Data Lost 1923

1930 Content Delete NO NO YES

1928 Horizontal Delete NO NO YES 1924

1927 Horizontal Delete by Range NO NO YES

1926 Vertical Delete YES YES YES

1925 Vertical Delete by Range YES YES YES

FIG. 16C

1950

1940 1941

Recursive Scalable Template Name: RST_Name

Cancel Delete 1942

1949 Delete IN fields in selected range

1948 Delete IN fields in selected elements of current Scalable Template Instance

1947 Delete IN fields in current Scalable Template Instance

1946 Delete selected elements in current Scalable Template Instance

1945 Delete Scalable Template Instance(s) in current container

1944 Delete Recursive Scalable Template Instance (preserving comprised STI's) 1943

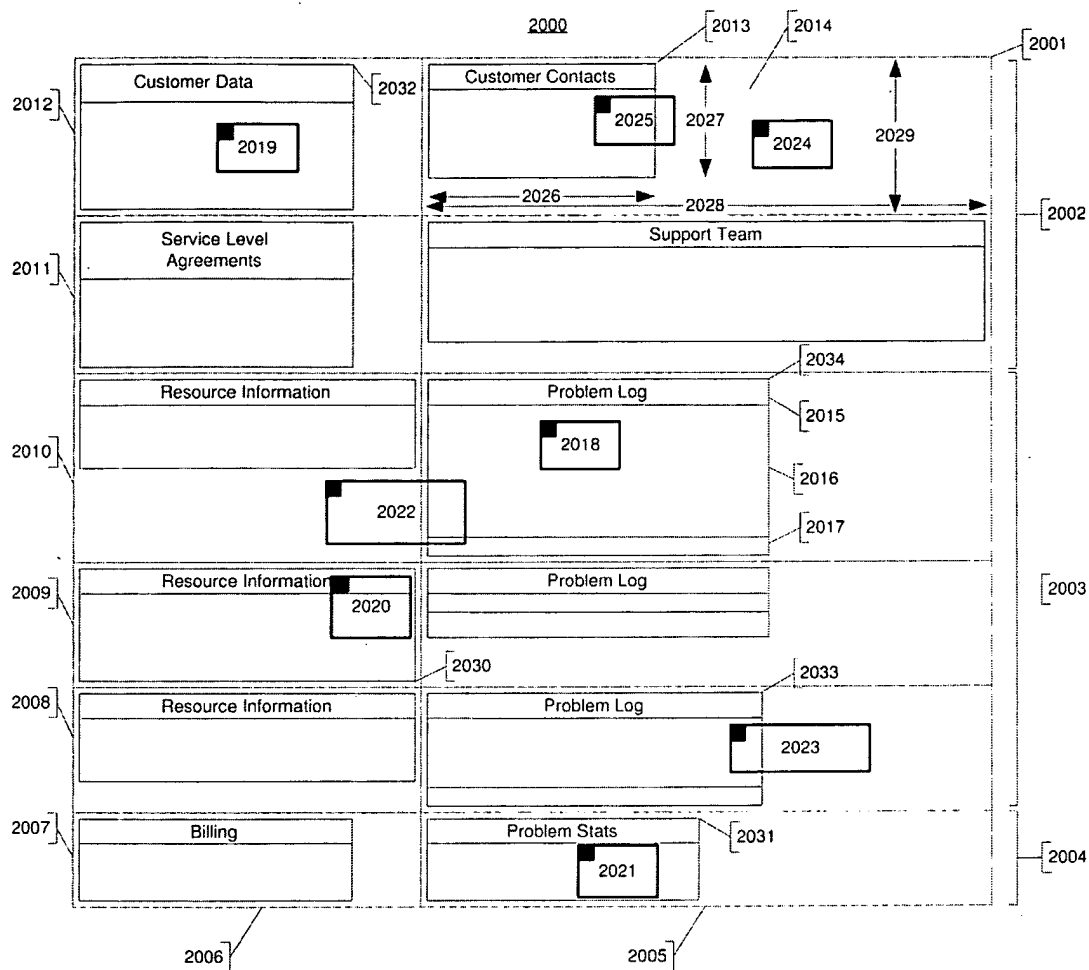


FIG. 17A

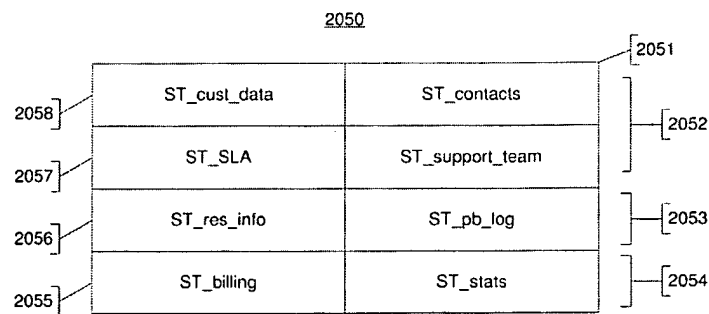


FIG. 17B

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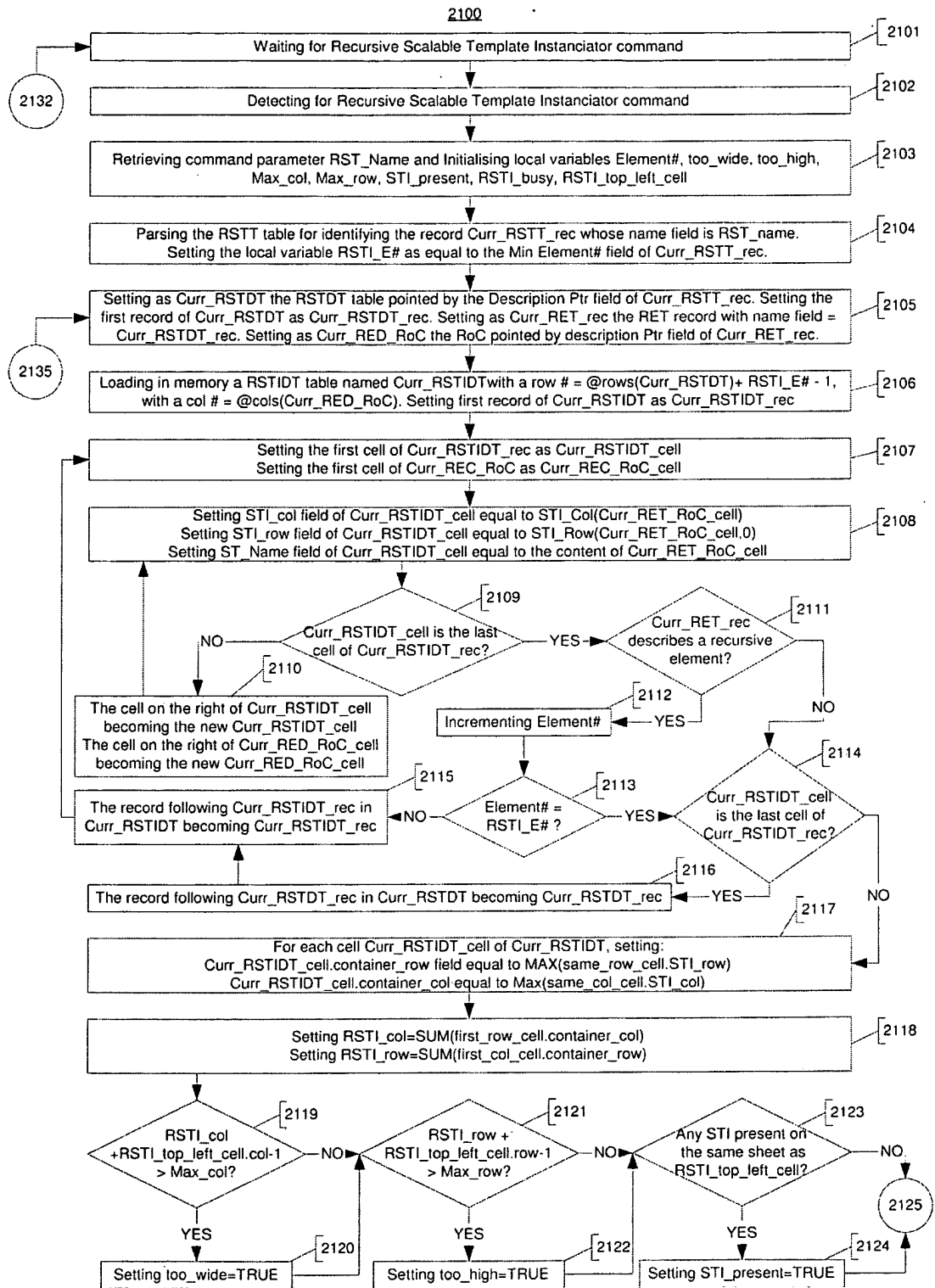


FIG. 18A

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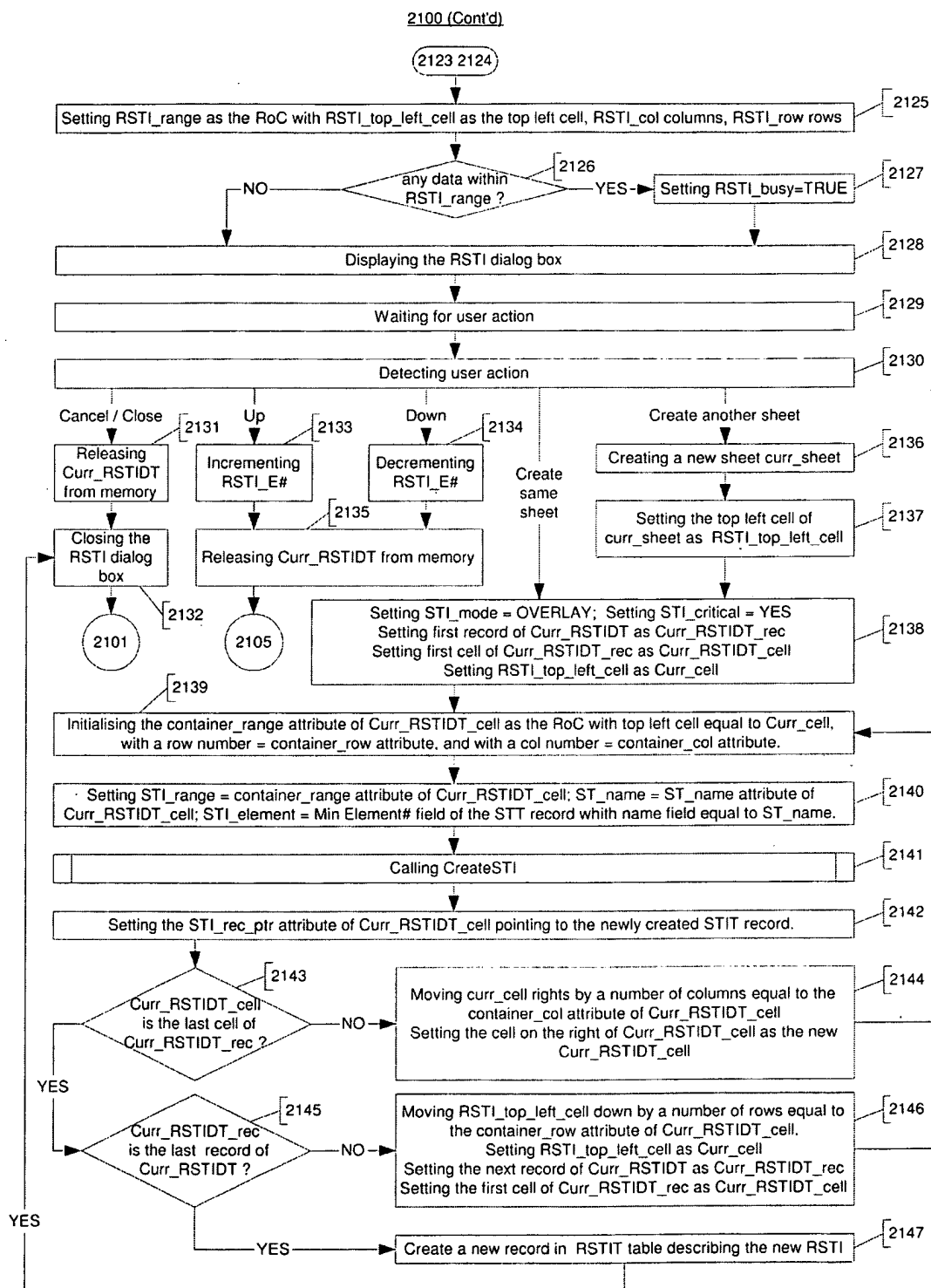
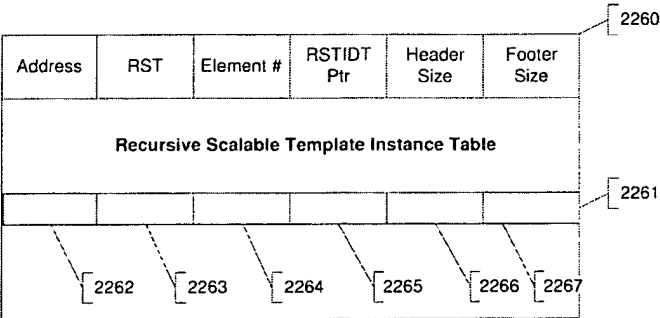
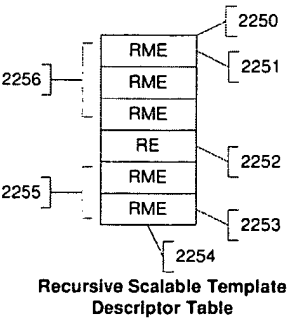
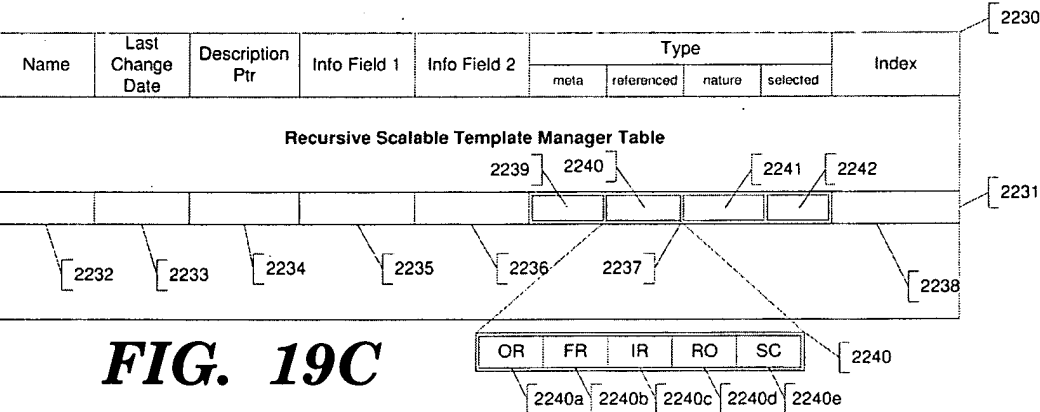
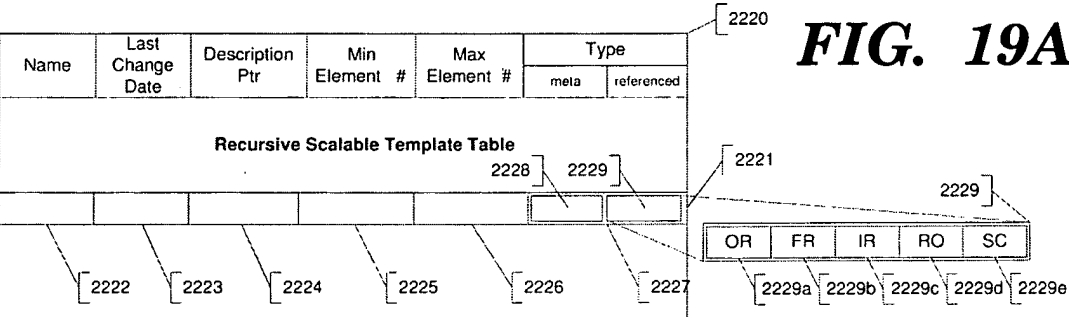
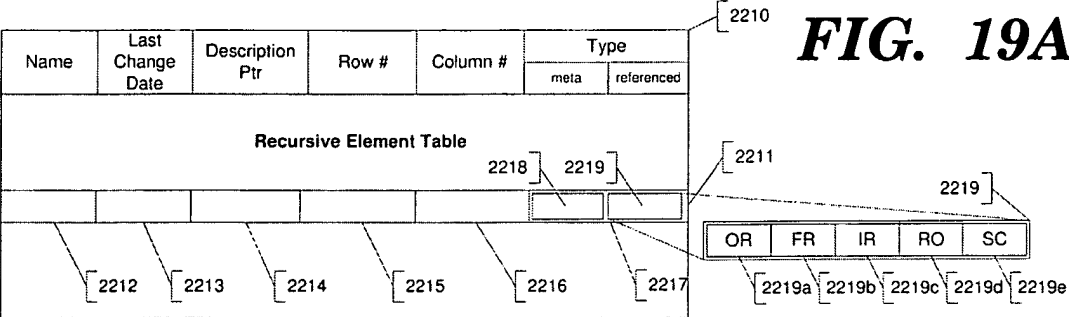


FIG. 18B



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2311

2300

2301

Recursive Scalable Template Name:

2302

Number of Recursive Elements:

2303

Warning:

RST Instance too wide

2304

RST Instance too high

2305

RST Instance on same sheet

2306

RST Instance overlaps existing data

2307

Create instance

2310

Create instance in a new sheet

2309

Cancel

2308

FIG. 20A

2321

2322

Done

2323

Save

2333

SaveAs

2332

MRE_Header

2324

☐ Element

2331

☐ Meta-Element

2330

Number of fields:

2326

2327

Field Rank

2335

2329

Field Template

2334

2328

FIG. 20B

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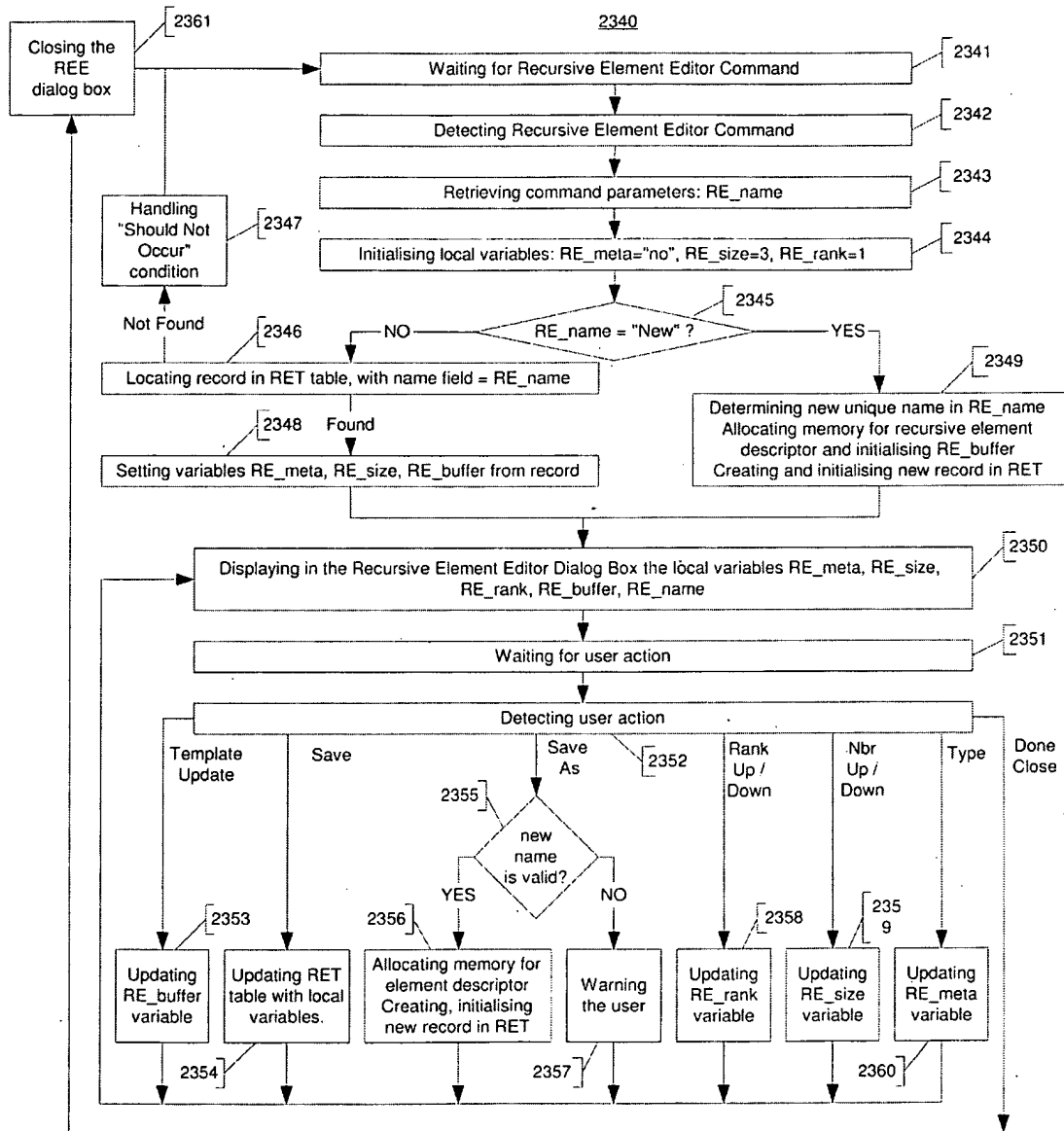
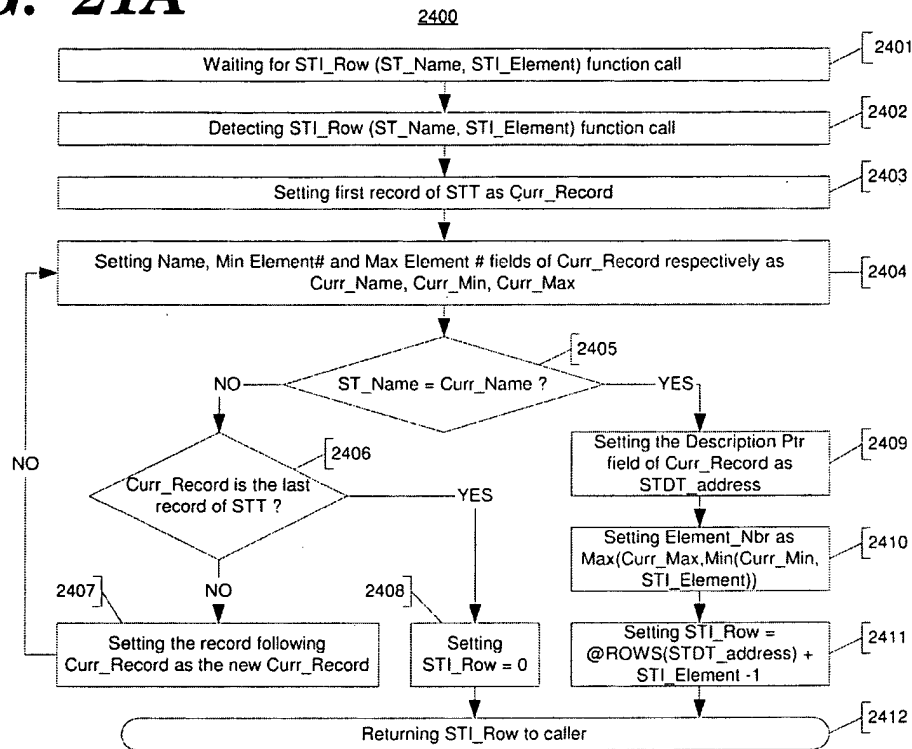


FIG. 20C

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FIG. 21A**FIG. 21B**